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**From:** Cope, Ben [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=497EFADD936E4D378225116B8F50FD3F-COPE, BEN]  
**Sent:** 10/3/2018 3:46:36 PM  
**To:** Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]  
**CC:** Zell, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a7206bbb71ff41c999629b86cc25c7e4-Zell, Chris]  
**Subject:** RE: Deschutes QAPP & data questions  
**Attachments:** WQ Modeling QAPP Guidance Region 10 Dec 2016.pdf

Hi Miranda –

See answers below in red. Cheers. -BC

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**From:** Hodgkiss, Miranda  
**Sent:** Tuesday, October 02, 2018 2:24 PM  
**To:** Cope, Ben <Cope.Ben@epa.gov>  
**Cc:** Zell, Christopher <zell.christopher@epa.gov>  
**Subject:** Deschutes QAPP & data questions

Hi Ben,

I'm trying to help Amy King get set up to start working on the Deschutes replacement TMDLs, including developing a QAPP for the work. I'm wondering if you were involved at all in reviewing the original TMDL QAPP (attached), or if you know anything about it? I don't recall any involvement in this QAPP. Also, what is your take on using Ecology's QAPP and modifying it versus writing our own and following an EPA format? I would trust Amy's judgment on the most efficient approach - to modify Ecy's QAPP or convert to our recommended QAPP organization. Does EPA have a standard format? Not a standard format but we recommend using the sequence of topics in the table of contents of our R10 QAPP guidance, which is attached. This sequence, and our guidance, is streamlined compared to Ecy's and the EPA HQ guidance (which is for all types of models, not just WQ models which are the focus of our guidance).

Another question I have is about using outside data. Does EPA have any guidance on acceptance criteria for using outside data? We will be using data found in Ecology's EIM database, but have also received data from Thurston County, and may receive from other entities as well. We don't have strict criteria to my knowledge, but if the data is not from our usual trusted sources (e.g., USGS, Nat'l weather service, state databases) then one should inquire about the QA processes in place by that entity. So an additional info step for outside data sources, with documentation of what you find out.

Any advice is appreciated, and I'm also cc'ing Chris in case he wants to chime in. Feel free to call if that is easier.

Thanks!

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